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SEARCH REQUEST FORM   Scientific and Technical Information Center - EIC2800
Rev. 3/19/2007 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date _7/16/07_ Serial # _10/811,207_ Priority Application Filing Date _3/26/04_

Your Name _M. Lewis_ Examiner # _73172_

AU _3892_ Phone _272-1836_ Room _JA3C_

In what format would you like your results? Paper is the default. (PAPER) DISK EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.
Need before 7/18

Where have you searched so far on this case?
Circle: USPAT USPGPUB DWPI EPO Abs JPO Abs IBM TDB
Other:_____

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.
_____

What types of <u>references</u> would you like? Please checkmark:

Primary Refs _✓_ Nonpatent Literature ____ Teaching Refs ____
Secondary Refs _✓_ Foreign Patents _____ Other _____

If this is a "Fast & Focused Search" request, put a checkmark here: [ ]
And then please speak in-person immediately with the
EIC2800 Technical Information Specialist or with an EIC2800 Searcher.
A "Fast & Focused Search" is completed in 2 hours (maximum). The search must be on a very specific topic
and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at
http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm

In your own words, what is the topic, such as the novelty, motivation, utility, or other specific
facets defining the desired focus of this search? Please include the concepts, synonyms,
keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that
helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1-19

RF Isolation

Problem. See pages 1-4
Solution   "   "   11-17

X- See Last page

6,489,502   5,964,382
JP Pub # 0927156?   5,889,314

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[File 2] INSPEC 1898-2006/Jan W2
[File 6] NTIS 1964-2006/Jan W4
[File 8] Ei Compendex(R) 1970-2006/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2006/Jan
[File 65] Inside Conferences 1993-2006/Jan W5
[File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
[File 144] Pascal 1973-2006/Jan W2
[File 23] CSA Technology Research Database 1963-2006/Jan
[File 103] Energy SciTec 1974-2006/Jan B1
[File 31] World Surface Coatings Abs 1976-2006/Jan
[File 95] TEME-Technology & Management 1989-2006/Jan W5
[File 57] Electronics & Communications Abstracts 1966-2006/Aug
[File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
[File 293] Engineered Materials Abstracts 1966-2006/Jan
[File 239] Mathsci 1940-2005/Feb
[File 256] TECINFOSOURCE 82-2005/DEC

Set   Items   Description
S1   5940598   S SEMICONDUCTOR??? OR SEMI()CONDUCTOR??? OR PCB OR P()C()B OR TAB OR T()A()B OR
PRINT????()CIRCUIT()BOARD??? OR CIRCUIT???()BOARD??? OR LOAD()BOARD??? OR LOADBOARD???? OR LSI OR
L()S()I OR ASIC OR A()S()I()C OR ELECTRON???()DEVICE??? OR PRINT???()CIRCUIT??? OR IC OR I()C OR
INTEGRAT????()CIRCUIT??? OR CHIP??? OR WAFER??? OR MICROCHIP??? OR MICRO()CHIP??? OR VLSI OR
V()L()S()I OR FLEX?????(3N)CIRCUIT??? OR FLEX?????? OR (LEAD??? OR WIRE??? OR WIRING OR LINE???
OR TRAC????? OR INTEGRAT?????)(3N)FLEX?????? OR CIRCUIT????? OR SEMICONDUCTOR()PROCESS??????

S2   339754   S (BURY???? OR BURIED OR HIDDEN OR CONCEAL???? OR MASK??? OR COVER??? OR ONTOP OR
HIDE??? OR INSULAT???? OR HIDING)(3N)(LAYER???? OR LAMIN???? OR FILM??? OR SUBSTRATE OR
MATERIAL??? OR SUBSTANCE OR STACK??? OR WAFER???? OR DEPOSIT OR VEIL)

S3   39819752   S OVER OR ON OR ONTOP OR ON()TOP OR ABOVE OR HIGHER()THAN OR BRIDG????

S4   477992   S MESA??? OR PLATEAU??? OR RAIS???(2N)(PORTION OR PART?????? OR REGION OR AREA OR
SECTION) OR ISLAND OR FLAT()TOP

S5   96075   S (GUARD???? OR SHIELD???? OR PROTECT???? OR COVER???? OR SEAL??? OR INSULAT???
OR METAL??? OR TUNGSTEN OR W)(3N)(RING??? OR BAND??? OR LOOP??? OR HOOP???)

S6   34179   S (SURROUND???? OR ABOUT OR AROUND OR ENCIRCL???? OR ENCOMPAS??? OR
ENVELOP???)(3N)(MESA??? OR PLATEAU??? OR ISLAND OR FLAT()TOP OR RAIS???)

S7   237576   S (EXTEND??? OR THROUGH OR STRETCH??? OR ELONGAT???)(3N)(LAYER???? OR LAMIN????
OR FILM??? OR SUBSTRATE OR MATERIAL??? OR SUBSTANCE OR STACK??? OR WAFER???? OR DEPOSIT??? OR
VEIL??? OR BURIED OR BURYING OR HIDDEN OR CONCEAL??? OR HIDING)

S8   801551   S (RF OR R()F OR RADIOFREQUENC??? OR RADIO()FREQUENC???? OR MAGNETIC OR
ELECTROMAGNETIC OR PULS???? OR CROSSTALK OR CROSS()TALK OR INTERFER???? OR NOISE??? OR
DISTORT???? OR TRANSIENT???)(3N)(ISOLAT??? OR INDEPENDEN???? OR SEPARAT????? OR SHIELD??? OR
BLOCK???? OR FILTER???? OR SCREEN???? OR TERMINAT??? OR AVOID?????? OR SUPPRES???? OR
ATTENUAT???? OR ELIMINAT???? OR DECREAS????? OR REDN OR REDUC???? OR LOWER????? OR STOP???? OR
HINDER???? OR MINIM?????? OR AMELIORAT????? OR PROHIBIT????? OR CANCEL???? OR PREVENT????? OR
MITIGAT????? OR REMOV?????)

S9   399395   S (HIGH??? OR LARGE OR INCREAS??? OR MAXIM????)(3N)(RESISTIVITY OR RESISTANCE???
OR IMPEDANCE OR SPECIFIC()ELECTRICAL()RESISTANCE)

S10   3436611   S SILIC???? OR SI OR SIO2 OR SILICON()OXIDE
S11   0   S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10
S12   8   S S1 AND S2 AND S3 AND S4 AND S5
S13   6   RD (unique items)
S14   0   S S4(3N)S5(3N)S6(3N)S7
S15   0   S S1 AND S4 AND S5 AND S6 AND S7
S16   1224   S S1 AND S5 AND S8
S17   56   S S16 AND S9
S18   28   S S17 AND S10

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S19        12    RD   (unique items)
S20       155    S S1(3N)S5(3N)S8
S21         1    S S20 AND S2
S22       116    S S20 AND S3
S23         0    S S22 AND S4
S24         0    S S22 AND S6
S25        18    S S22 AND S7
S26         4    RD   (unique items)
S27         0    S S22 AND S9
S28         6    S S22 AND S10
S29         6    RD   (unique items)
S30        12    S S17 AND S2
S31         3    RD   (unique items)
S32        49    S S17 AND S3
S33         0    S S32 AND S4
S34         0    S S32 AND S6
S35         2    S S32 AND S7
S36         1    RD   (unique items)
S37        12    S S19 NOT S13
S38         1    S S21 NOT (S13 OR S19)
S39         4    S S26 NOT (S13 OR S19 OR S21)
S40         6    S S29 NOT (S13 OR S19 OR S21 OR S26)
S41         1    S S31 NOT (S13 OR S19 OR S21 OR S26 OR S29)
S42         0    S S36 NOT (S13 OR S19 OR S21 OR S26 OR S29 OR S31)
S43        36    S S32 NOT (S13 OR S19 OR S21 OR S26 OR S29 OR S31 OR S36)
S44        16    RD   (unique items)
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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
[File 350] Derwent WPIX 1963-2007/UD,UM &UP=200744
[File 371] French Patents 1961-2002/BOPI 200209

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Set     Items    Description
S1    4852820    S SEMICONDUCTOR??? OR SEMI()CONDUCTOR??? OR PCB OR P()C()B OR TAB OR T()A()B OR
PRINT????()CIRCUIT()BOARD??? OR CIRCUIT???()BOARD??? OR LOAD()BOARD??? OR LOADBOARD???? OR LSI OR
L()S()I OR ASIC OR A()S()I()C OR ELECTRON???()DEVICE??? OR PRINT???()CIRCUIT??? OR IC OR I()C OR
INTEGRAT????()CIRCUIT??? OR CHIP??? OR WAFER??? OR MICROCHIP??? OR MICRO()CHIP??? OR VLSI OR
V()L()S()I OR FLEX?????(3N)CIRCUIT??? OR FLEX?????? OR (LEAD??? OR WIRE??? OR WIRING OR LINE???
OR TRAC????? OR INTEGRAT?????)(3N)FLEX?????? OR CIRCUIT????? OR SEMICONDUCTOR()PROCESS??????

S2     856085    S (BURY???? OR BURIED OR HIDDEN OR CONCEAL???? OR MASK??? OR COVER??? OR ONTOP OR
HIDE??? OR INSULAT???? OR HIDING)(3N)(LAYER???? OR LAMIN???? OR FILM??? OR SUBSTRATE OR
MATERIAL??? OR SUBSTANCE OR STACK??? OR WAFER???? OR DEPOSIT OR VEIL)

S3   12907956    S OVER OR ON OR ONTOP OR ON()TOP OR ABOVE OR HIGHER()THAN OR BRIDG????

S4      93370    S MESA??? OR PLATEAU??? OR RAIS???(2N)(PORTION OR PART?????? OR REGION OR AREA OR
SECTION) OR ISLAND OR FLAT()TOP

S5     152313    S (GUARD???? OR SHIELD???? OR PROTECT???? OR COVER???? OR SEAL??? OR INSULAT???
OR METAL??? OR TUNGSTEN OR W)(3N)(RING??? OR BAND??? OR LOOP??? OR HOOP???)

S6       7900    S (SURROUND???? OR ABOUT OR AROUND OR ENCIRCL???? OR ENCOMPAS??? OR
ENVELOP???)(3N)(MESA??? OR PLATEAU??? OR ISLAND OR FLAT()TOP OR RAIS???)

S7     510854    S (EXTEND??? OR THROUGH OR STRETCH??? OR ELONGAT???)(3N)(LAYER???? OR LAMIN????
OR FILM??? OR SUBSTRATE OR MATERIAL??? OR SUBSTANCE OR STACK??? OR WAFER???? OR DEPOSIT??? OR
VEIL??? OR BURIED OR BURYING OR HIDDEN OR CONCEAL??? OR HIDING)

S8     589096    S (RF OR R()F OR RADIOFREQUENC??? OR RADIO()FREQUENC???? OR MAGNETIC OR
ELECTROMAGNETIC OR PULS???? OR CROSSTALK OR CROSS()TALK OR INTERFER???? OR NOISE??? OR
DISTORT???? OR TRANSIENT???)(3N)(ISOLAT??? OR INDEPENDEN???? OR SEPARAT????? OR SHIELD??? OR
BLOCK???? OR FILTER???? OR SCREEN???? OR TERMINAT??? OR AVOID?????? OR SUPPRES???? OR
ATTENUAT???? OR ELIMINAT???? OR DECREAS????? OR REDN OR REDUC???? OR LOWER????? OR STOP???? OR
HINDER???? OR MINIM?????? OR AMELIORAT????? OR PROHIBIT????? OR CANCEL???? OR PREVENT????? OR
MITIGAT????? OR REMOV?????)

S9     281860    S (HIGH??? OR LARGE OR INCREAS??? OR MAXIM????)(3N)(RESISTIVITY OR RESISTANCE???
OR IMPEDANCE OR SPECIFIC()ELECTRICAL()RESISTANCE)

S10   1209671    S SILIC???? OR SI OR SIO2 OR SILICON()OXIDE
S11      7266    S IC=(H01L-021/70 OR H01L-021/762 OR H01L-021/765 OR H01L-029/732)
S12     16477    S MC=(U11-C05B9C OR U11-C08A3 OR U11-D01C5 OR U13-E01)
S13         1    S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10
S14         1    S S1(3N)S2(3N)S5(3N)S7(3N)S8
S15       106    S S1(3N)S2(3N)S5(3N)S7
S16        90    S S15 AND S3
S17         3    S S16 AND S4
S18         1    S S16 AND S6
S19         9    S S16 AND S8
S20        26    S S16 AND S10
S21         1    S S20 AND S11
S22         3    S S20 AND S12
S23         1    S S20 AND S9
S24         7    S S1(3N)S2(3N)S5(3N)S8
S25         1    S S14 NOT S13
S26         1    S S17 NOT (S13 OR S14)
S27         0    S S18 NOT (S13 OR S14 OR S17)
S28         7    S S19 NOT (S13 OR S14 OR S17 OR S18)
S29         1    S S21 NOT (S13 OR S14 OR S17 OR S18 OR S19)
S30         1    S S22 NOT (S13 OR S14 OR S17 OR S18 OR S19 OR S21)
S31         0    S S23 NOT (S13 OR S14 OR S17 OR S18 OR S19 OR S21 OR S22)
S32         4    S S24 NOT (S13 OR S14 OR S17 OR S18 OR S19 OR S21 OR S22 OR S23)
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